

FIG.1

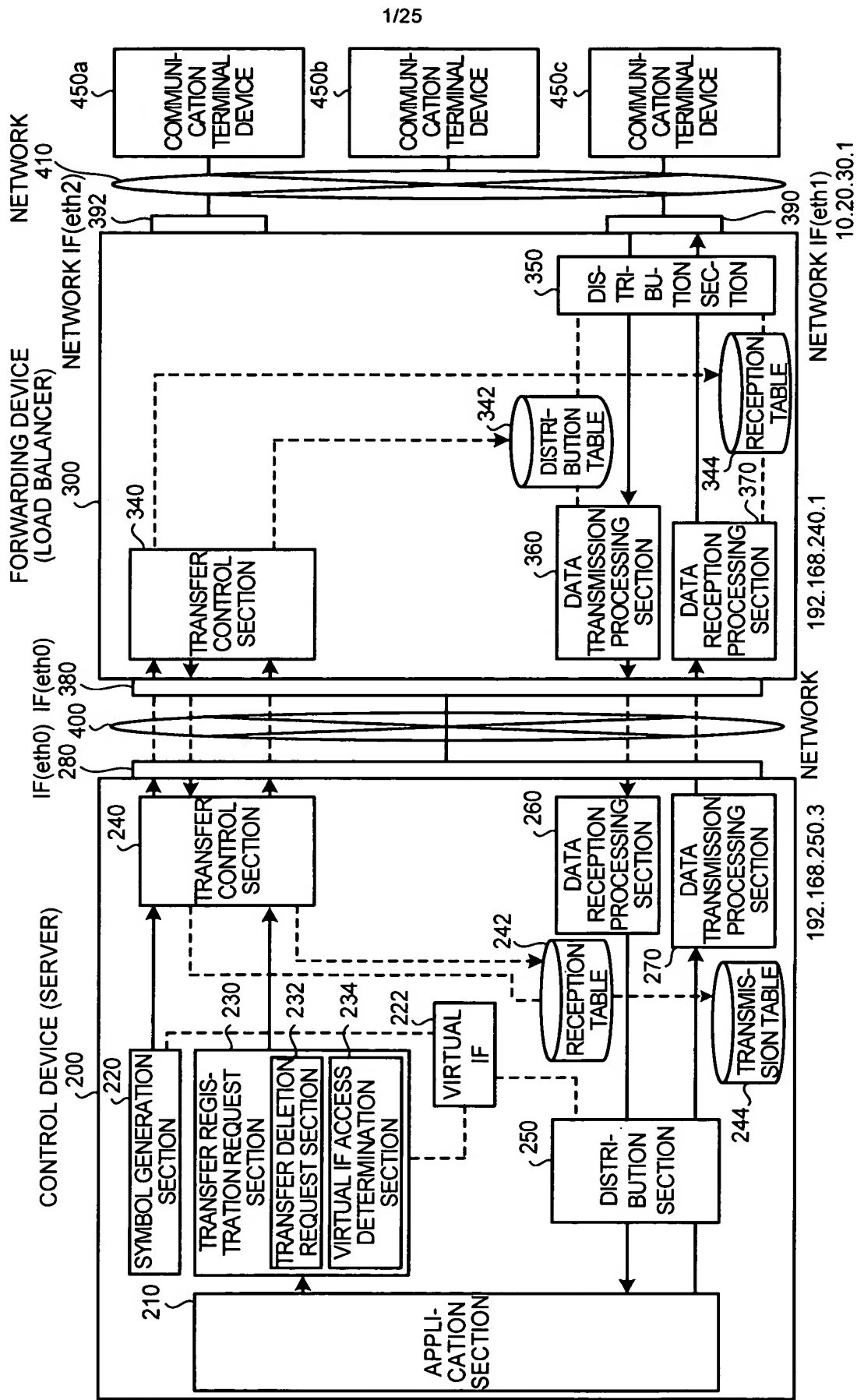


FIG.2

CONTROL DEVICE ADDRESS	192.168.250.3
VIRTUAL IF	veth1
ACTUAL IF	eth1

FIG.3

REPEATER ADDRESS	192.168.240.1
VIRTUAL IF	veth1
ACTUAL IF	eth1
DOWN TUNNEL ID	250

FIG.4

CONTROL DEVICE ADDRESS	192.168.250.3
PROTOCOL ADDRESS	80
VIRTUAL IF	veth1
UP TUNNEL ID	150

FIG.5

UP TUNNEL ID	RECEPTION VIRTUAL IF
150	veth1

FIG.6

TRANSMISSION VIRTUAL IF	DOWN TUNNEL ID	FORWARDING DEVICE ADDRESS
veth1	250	192.168.240.1

FIG.7

RECEPTION IF	PORT NUMBER OF DESTINATION TCP/UDP	UP TUNNEL ID	DESTINATION CONTROL DEVICE ADDRESS
eth1	80	150	192.168.250.3

FIG.8

DOWN TUNNEL ID	TRANSMISSION IF
250	eth1

FIG.9

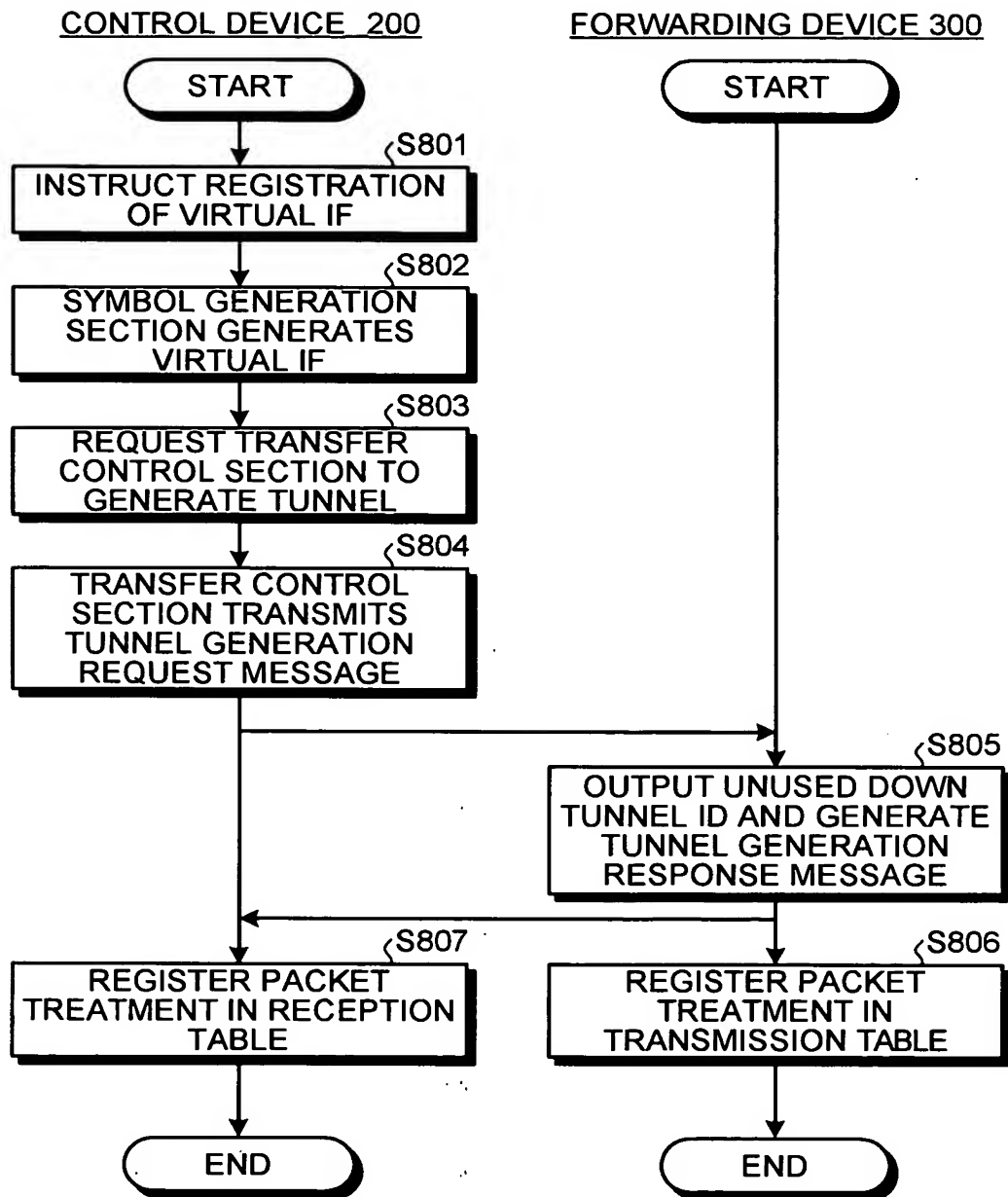


FIG.10

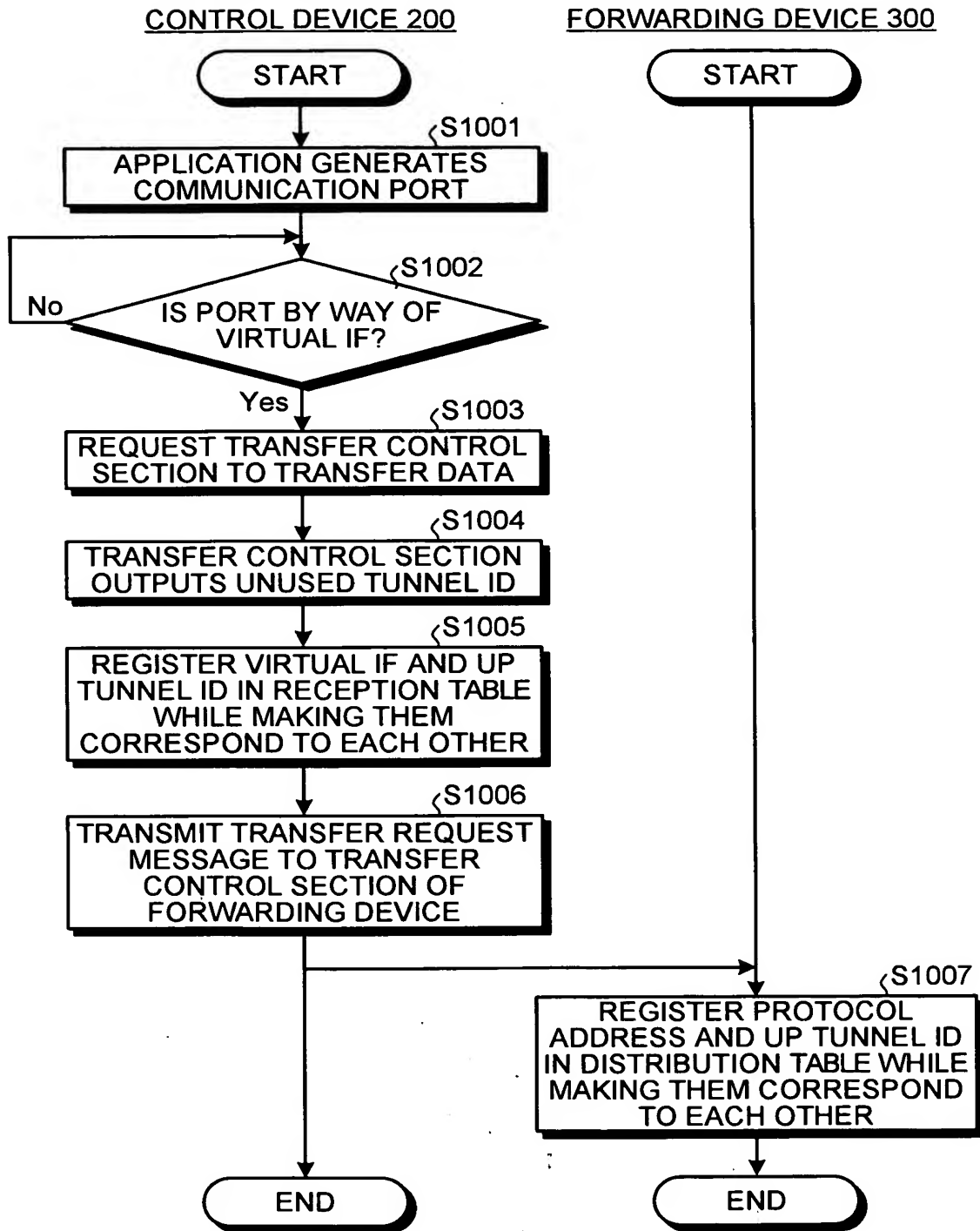


FIG11

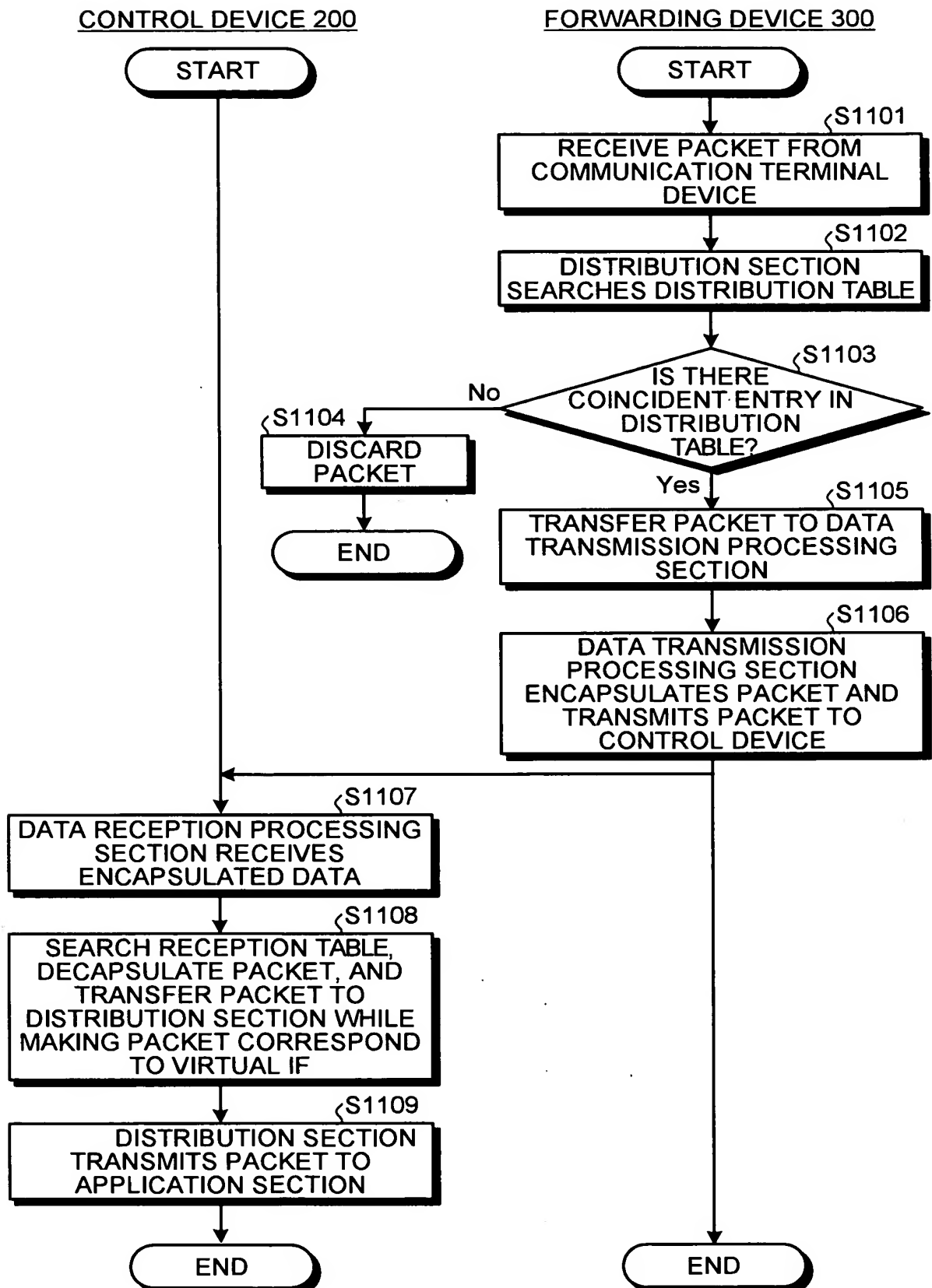


FIG.12

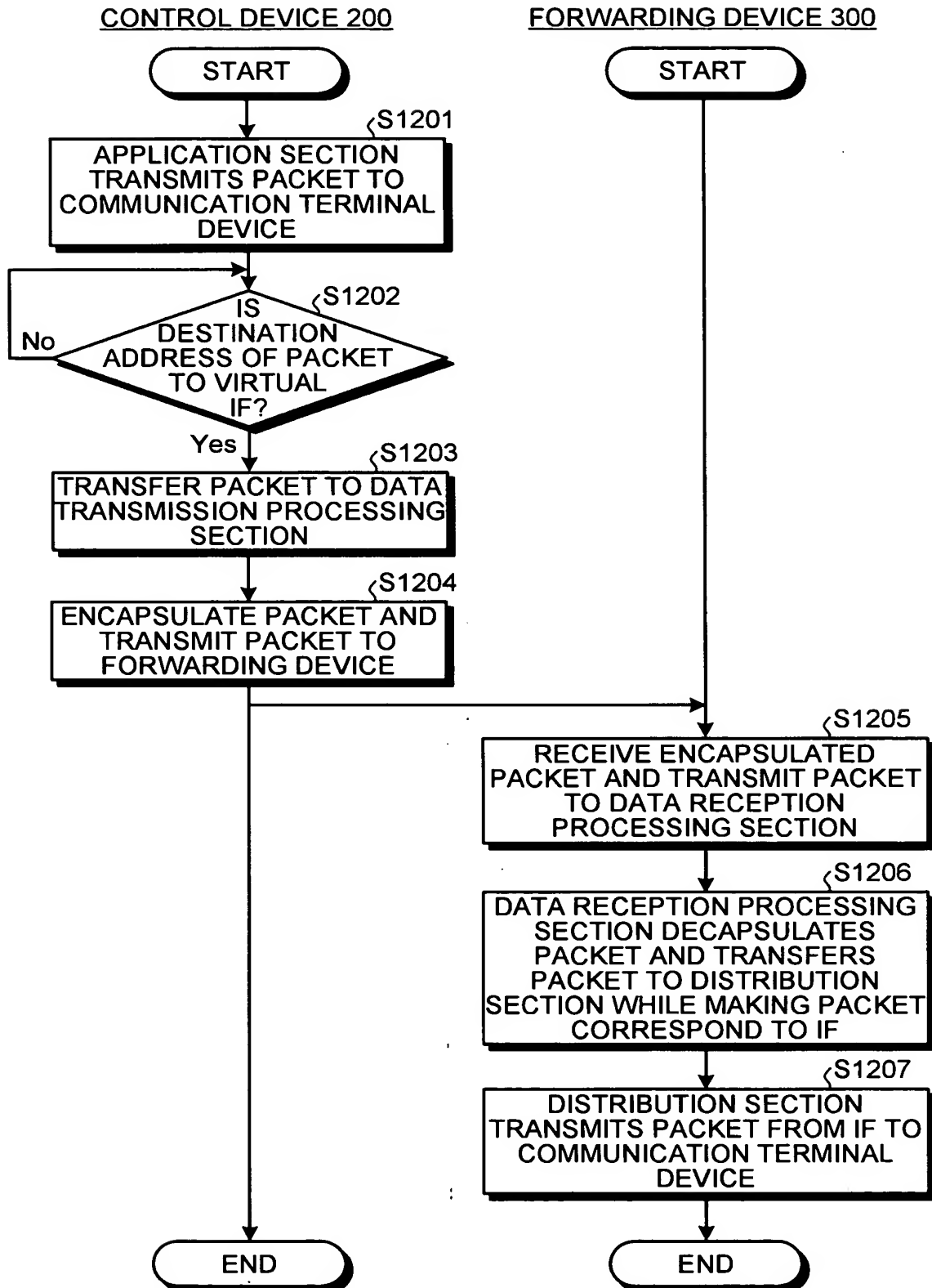


FIG. 13

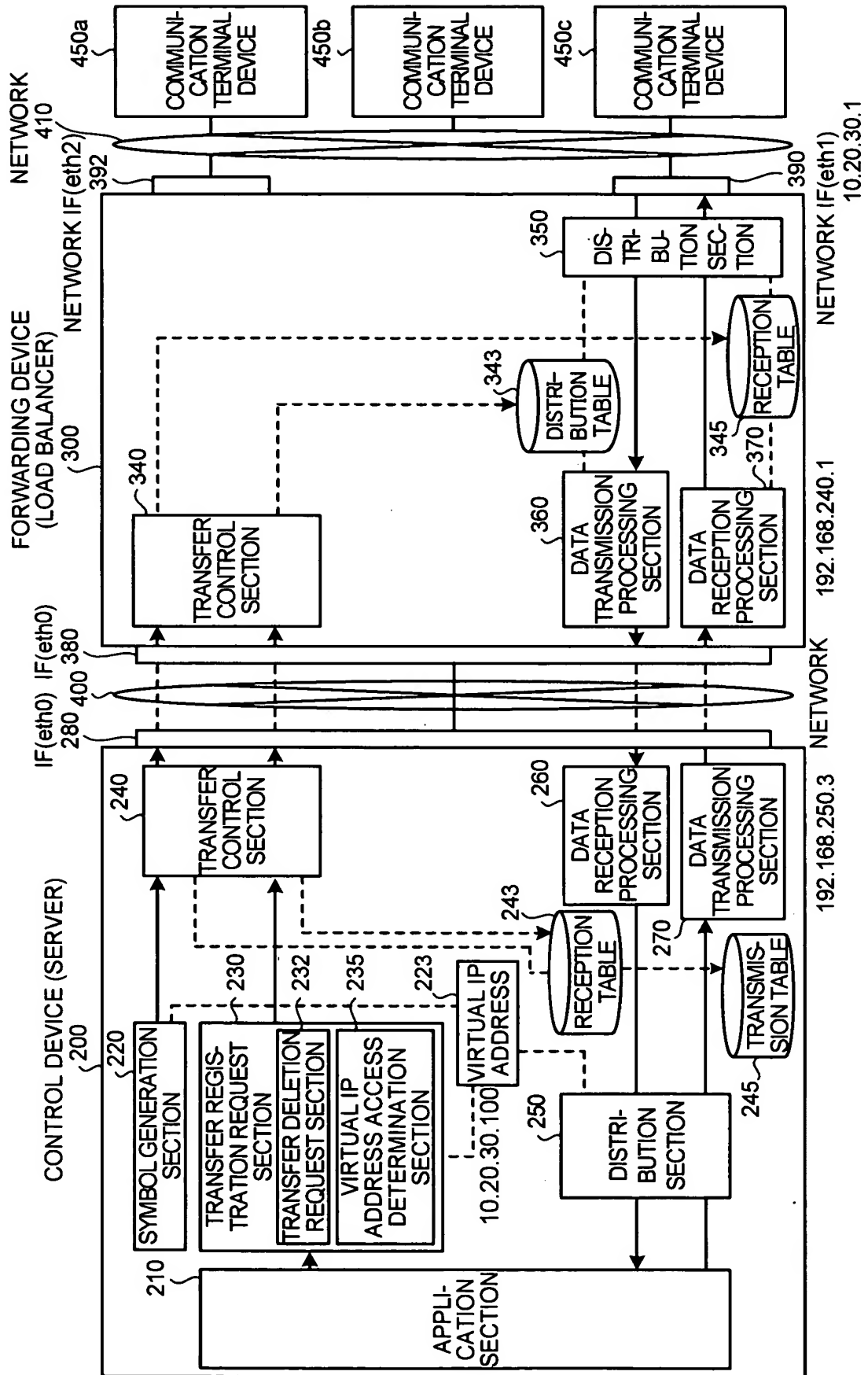


FIG.14

DESTINATION IP ADDRESS	PORT NUMBER OF DESTINATION TCP/UDP	VIRTUAL IP ADDRESS
192.168.250.3	80	10.20.30.100

FIG.15

VIRTUAL IP ADDRESS	SENDER IP ADDRESS
10.20.30.100	192.168.250.3

FIG.16

PORT NUMBER OF DESTINATION TCP/UDP	TRANSFER DESTINATION CONTROL DEVICE ADDRESS
80	192.168.250.3

FIG.17

SENDER IP ADDRESS	VIRTUAL IP ADDRESS
192.168.250.3	10.25.30.100

FIG.18

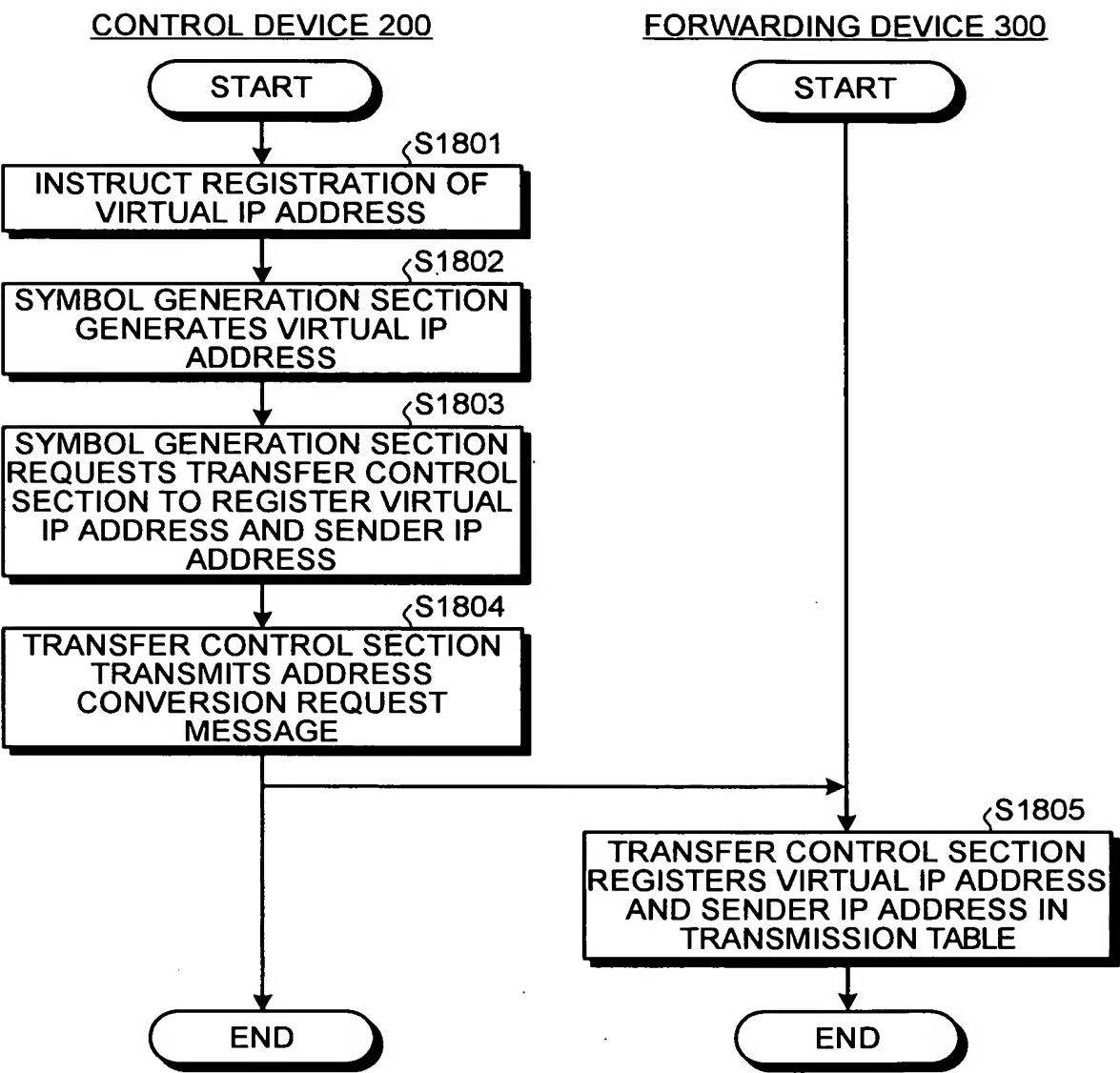


FIG.19

CONTROL DEVICE ADDRESS	192.168.250.3
VIRTUAL IP ADDRESS	10.25.30.100
SENDER IP ADDRESS	192.168.250.3

FIG.20

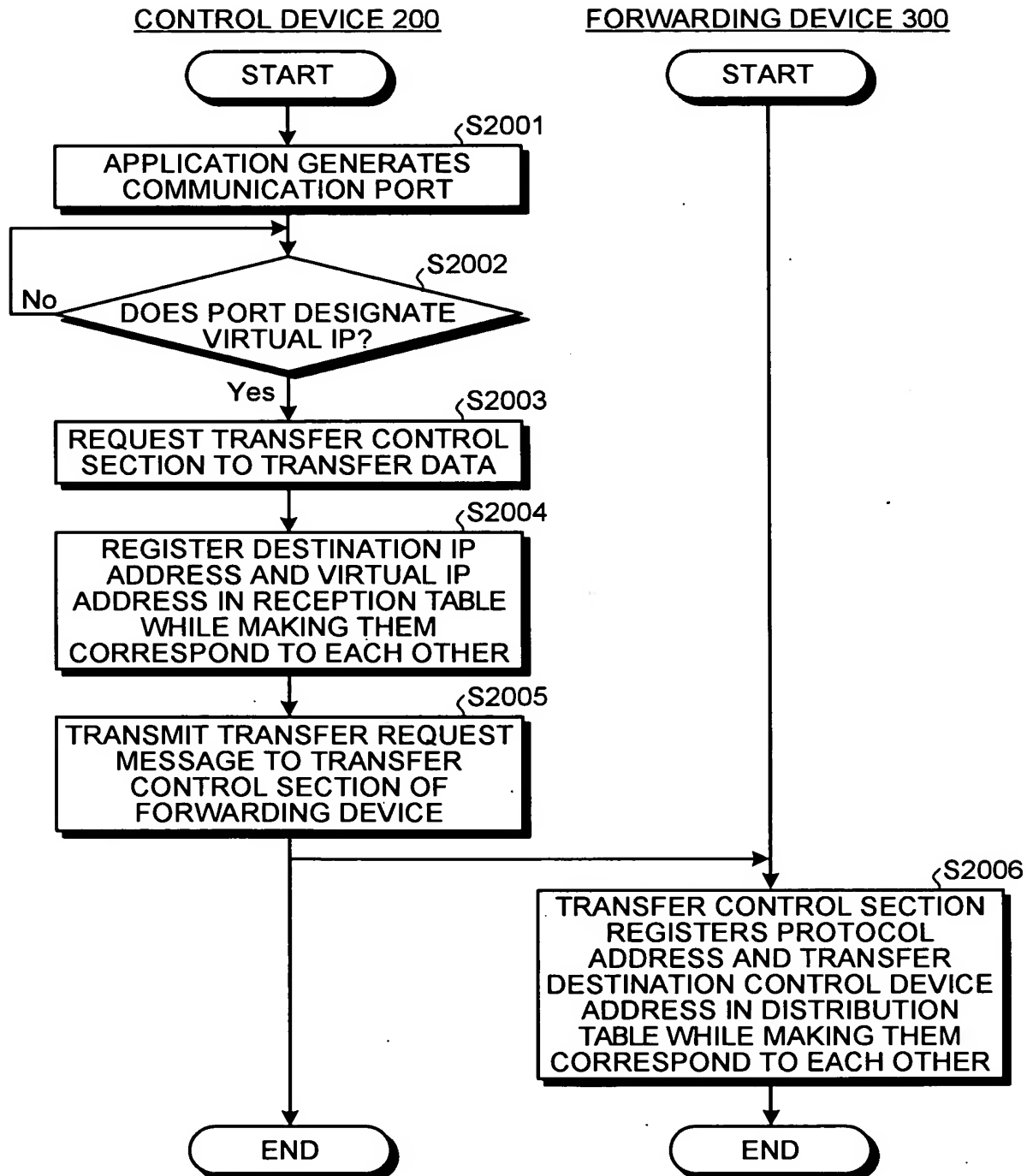


FIG.21

CONTROL DEVICE ADDRESS	192.168.250.3
PORT NUMBER OF DESTINATION TCP/UDP	80
VIRTUAL IP ADDRESS	10.25.30.100
RECEPTION IP ADDRESS	192.168.250.3

FIG.22

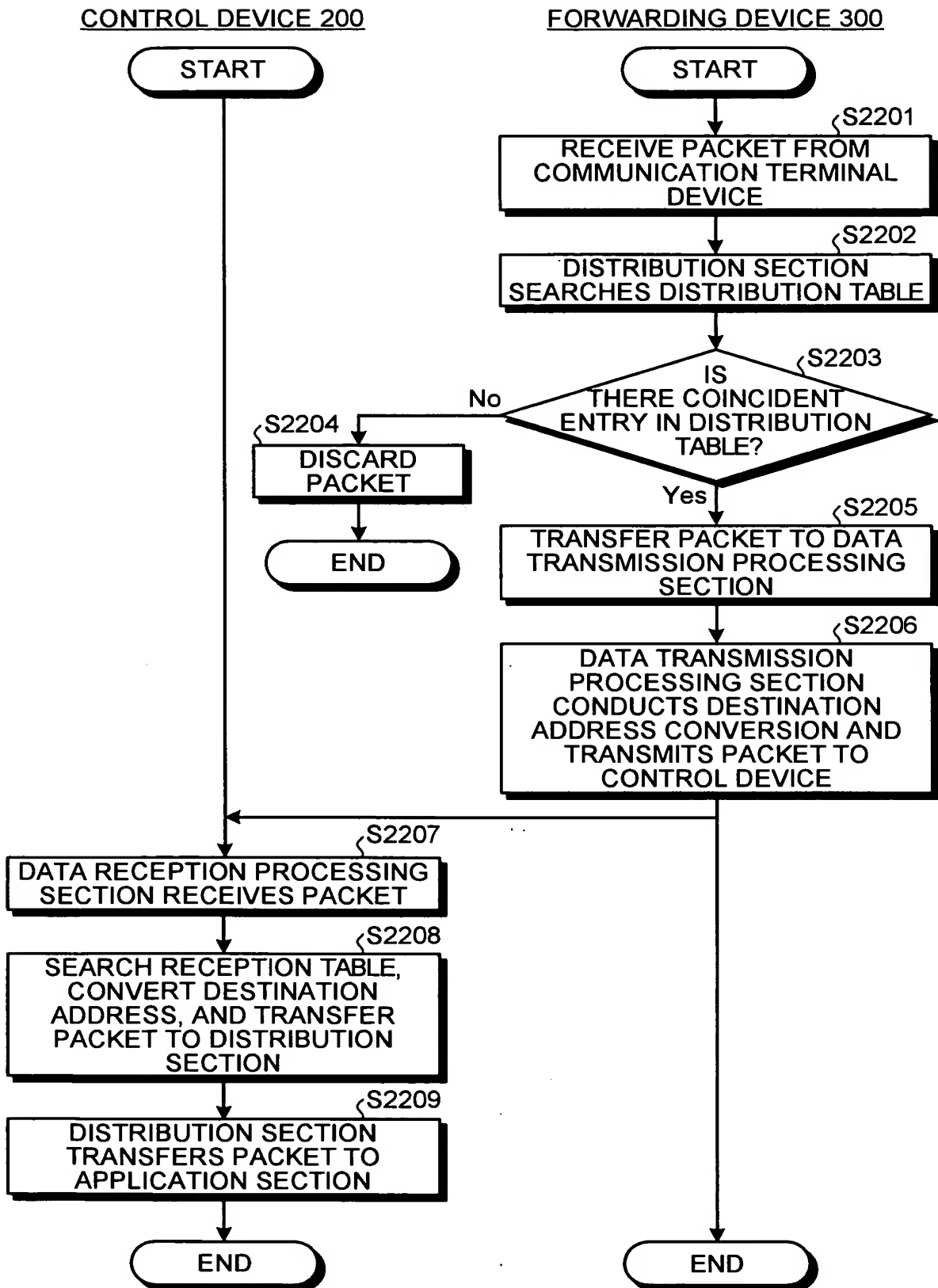


FIG.23

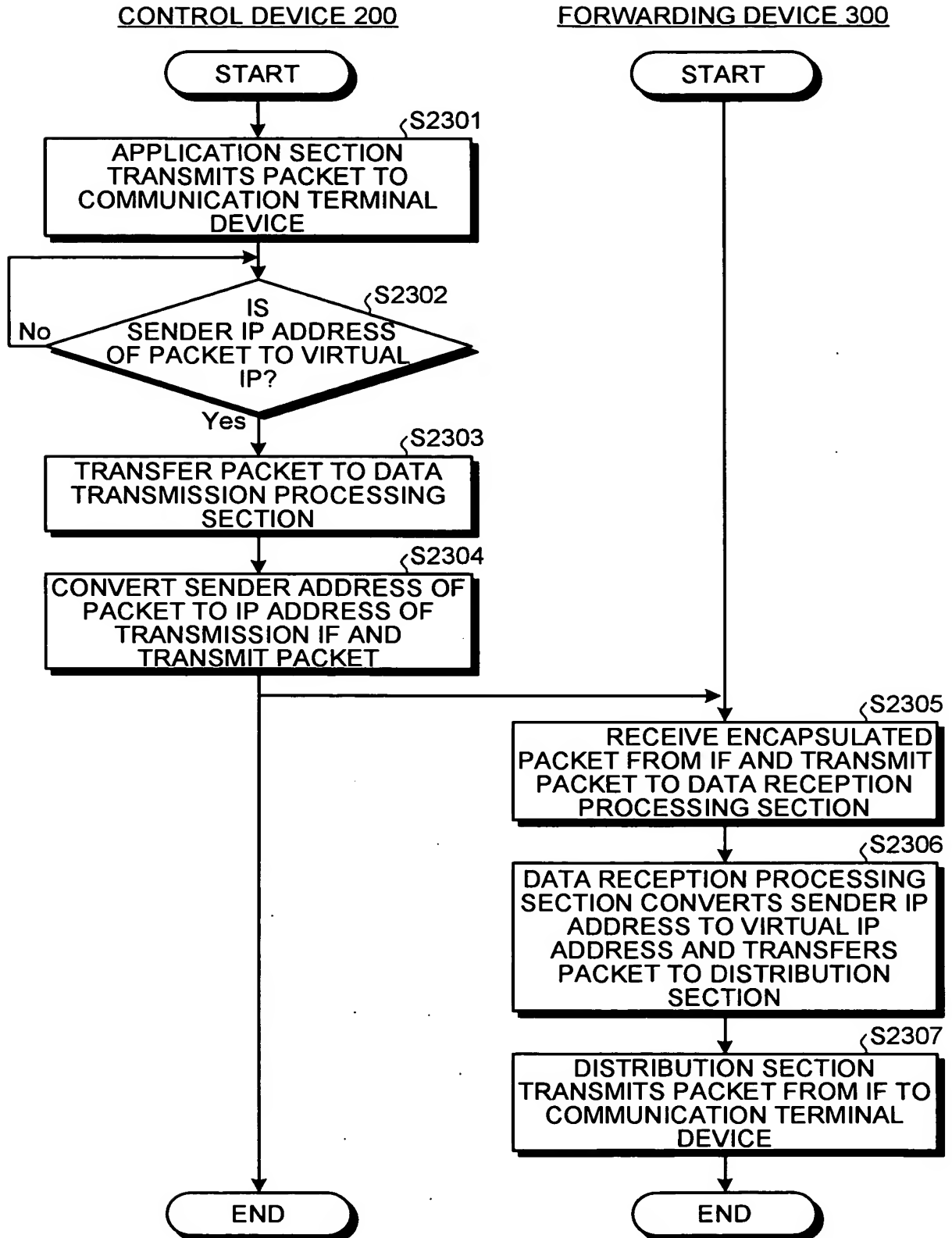


FIG. 24

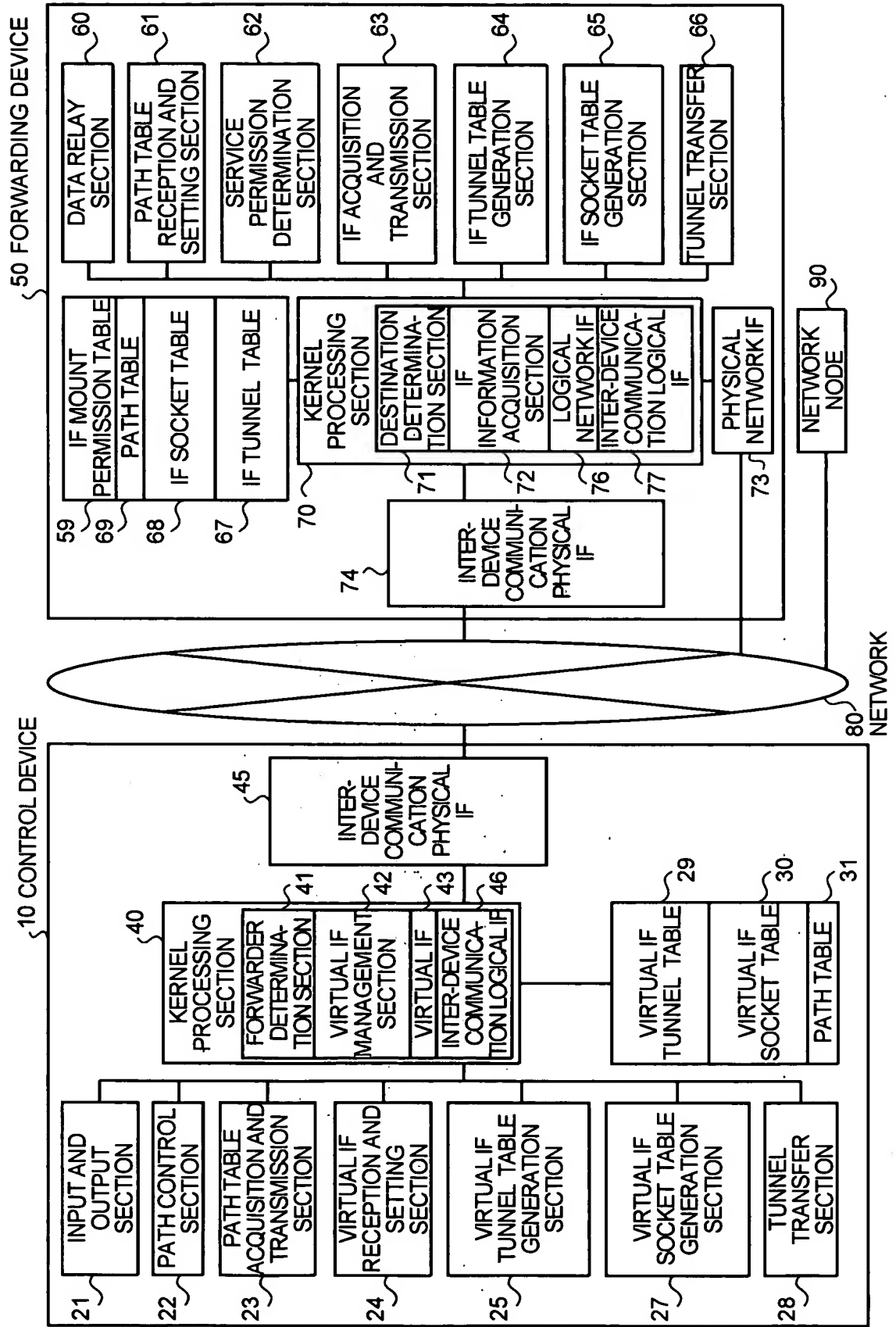
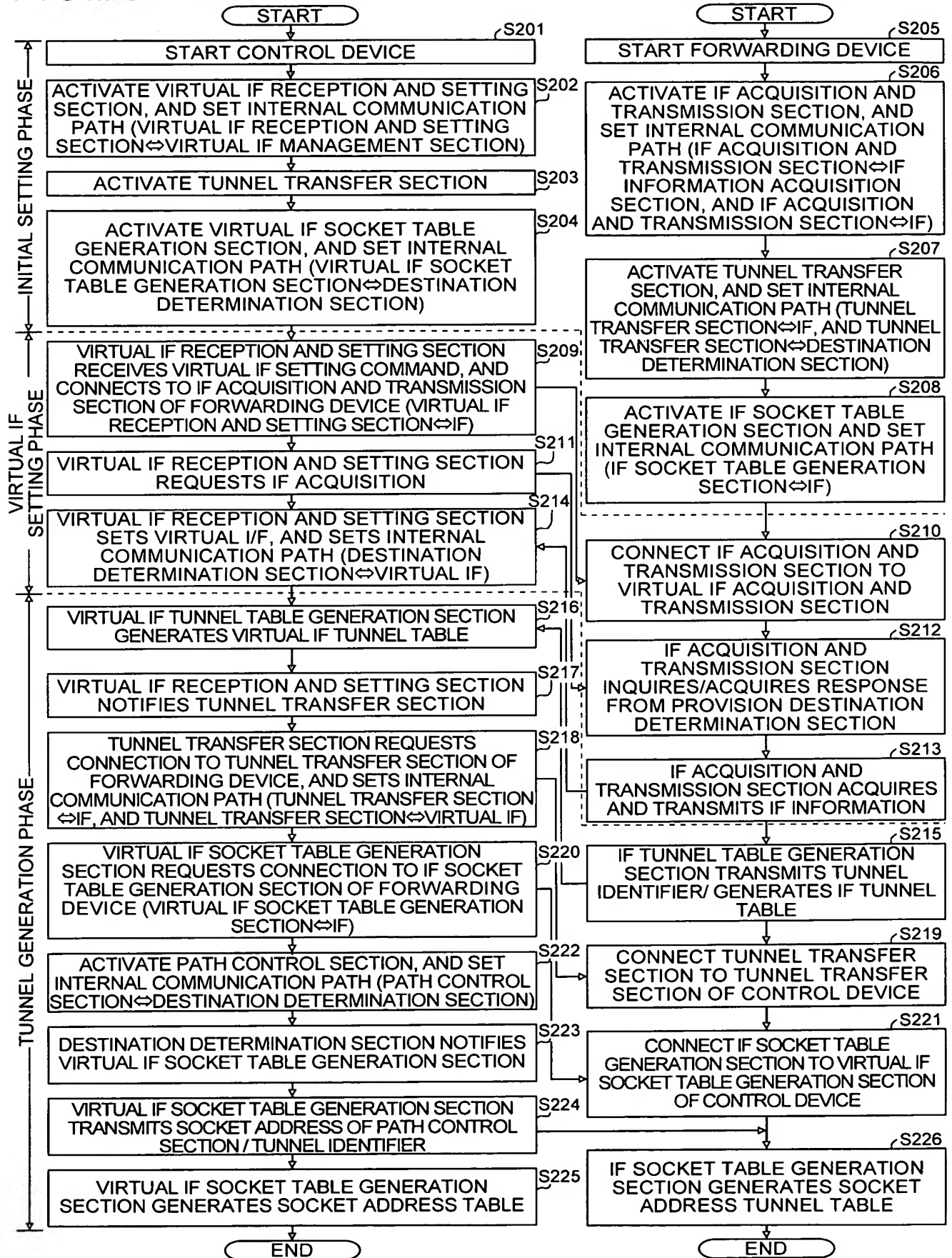


FIG.25

CONTROL DEVICE 10

FORWARDING DEVICE 50



67 IF TUNNEL TABLE

VIRTUAL IF	REPEATER IP ADDRESS	IF TUNNEL IDENTIFIER
veth0	10.25.165.110	50

IF TUNNEL IDENTIFIER	LOGICAL IF OF NETWORK IF
50	eth1

LOGICAL IF OF NETWORK IF	PERMITTED DEVICE IP ADDRESS
eth1	10.25.165.100
eth2	10.25.165.100

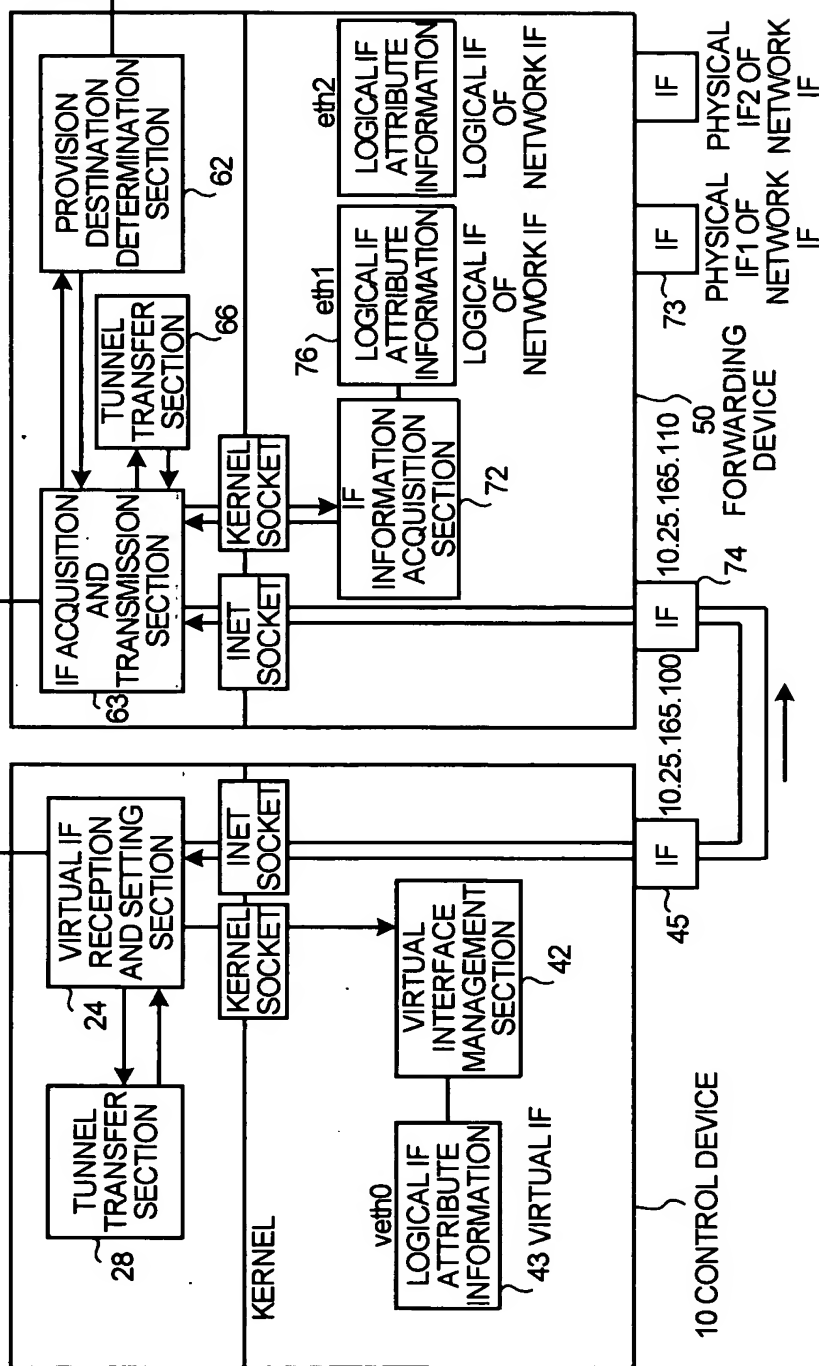


FIG.27

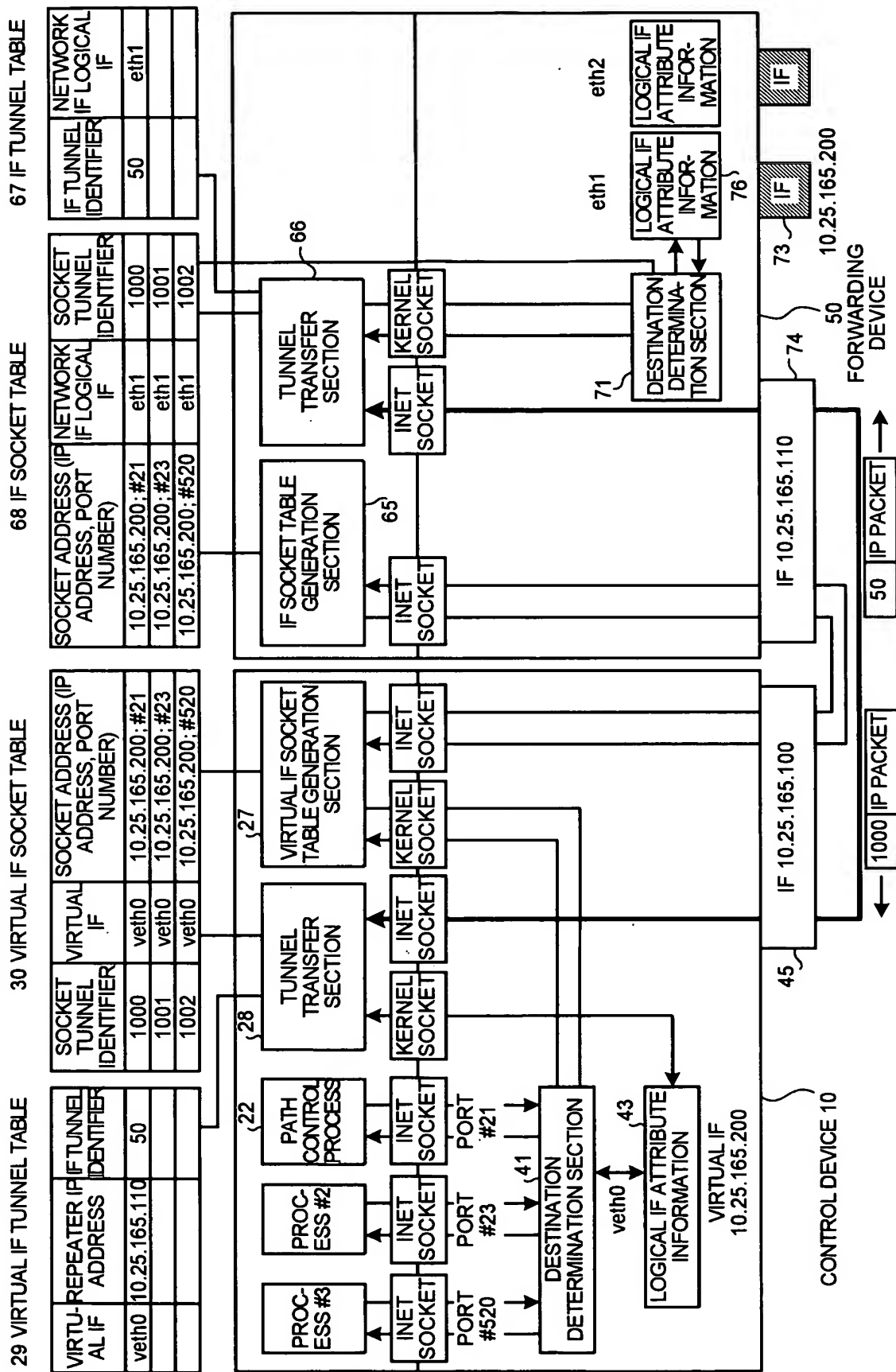


FIG.28

29 VIRTUAL IF TUNNEL TABLE

VIR-TUAL IF	REPEATER (IP ADDRESS)	TUNNEL IDENTIFIER
vet0	10.25.165.110	PID=50

30 VIRTUAL IF SOCKET TABLE

SOCKET TUNNEL IDENTIFIER	VIR-TUAL IF	SOCKET ADDRESS (IP ADDRESS, PORT NUMBER)
PID=1000	vet0	10.25.165.200; #21
PID=1001	vet0	10.25.165.200; #23
PID=1002	vet0	10.25.165.200; #520

68 IF SOCKET ADDRESS TABLE

SOCKET ADDRESS (IP ADDRESS, PORT NUMBER)	NETWORK IF	SOCKET TUNNEL IDENTIFIER
10.25.165.200; #21	eth1	PID=2000
10.25.165.200; #23	eth1	PID=2001
10.25.165.200; #520	eth1	PID=2002

67 IF TUNNEL TABLE LIST

IF TUNNEL IDENTIFIER	NETWORK IF	LOGICAL IF
PID=60		eth1

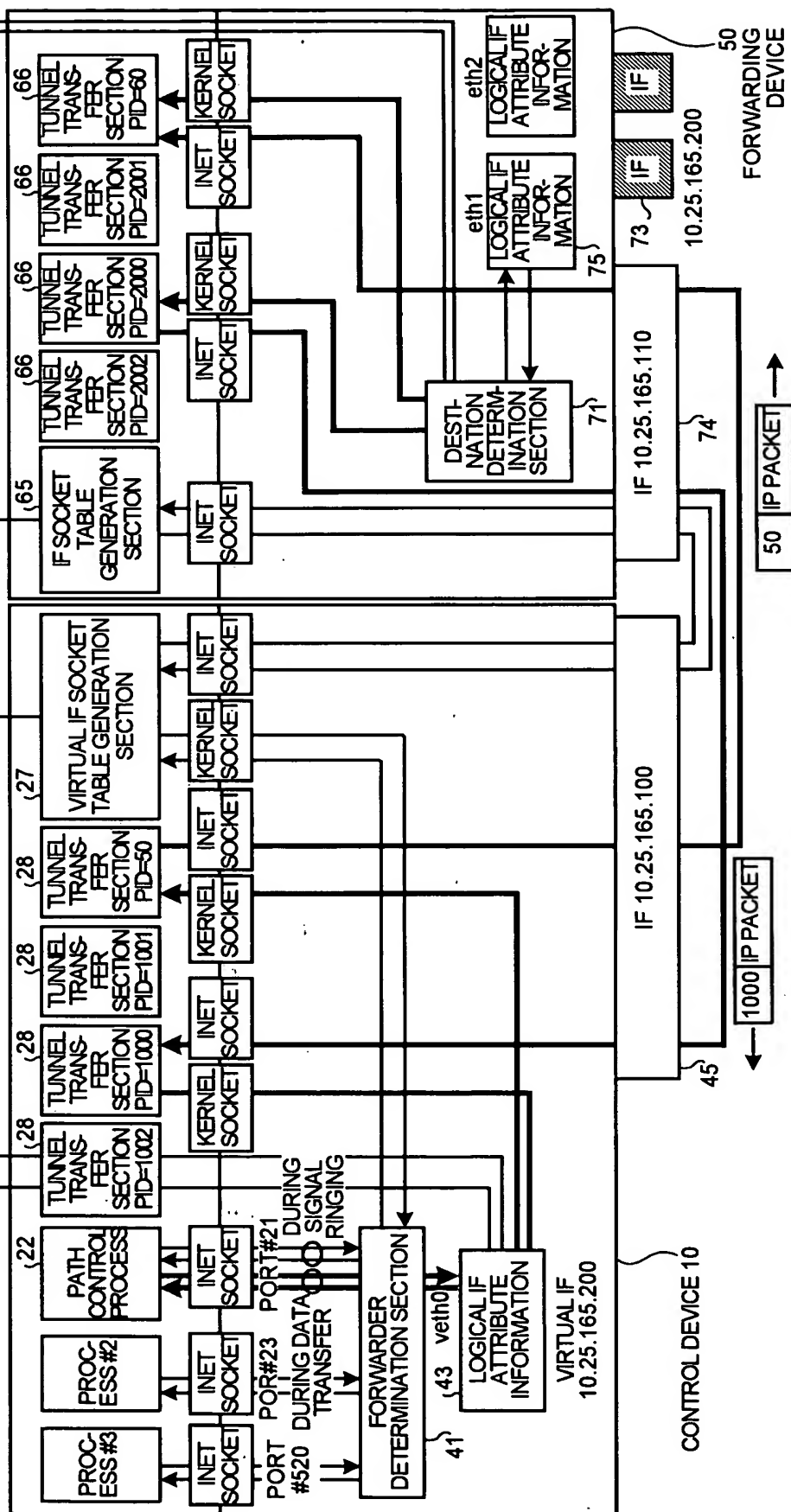


FIG.29

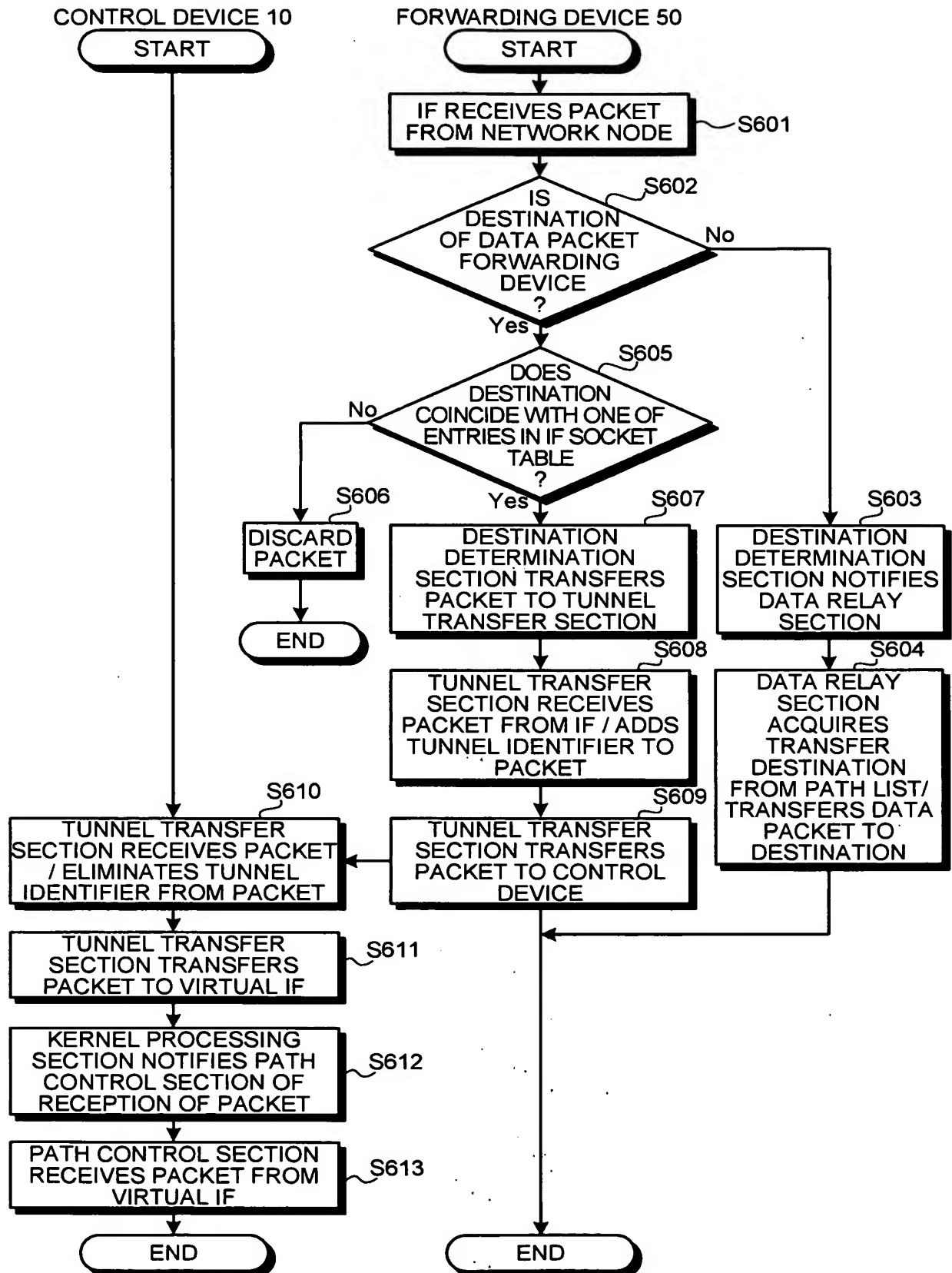


FIG.30

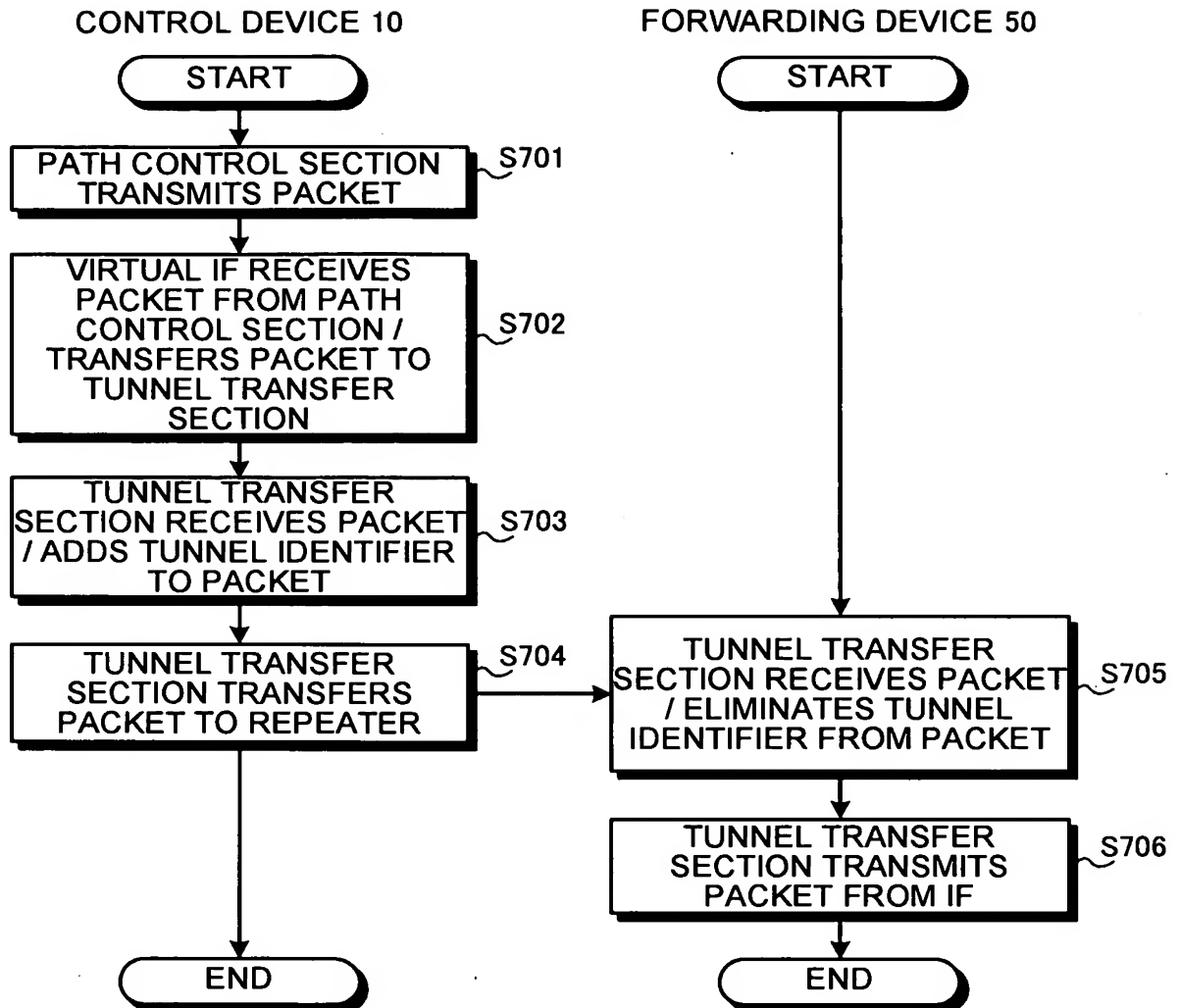


FIG.31

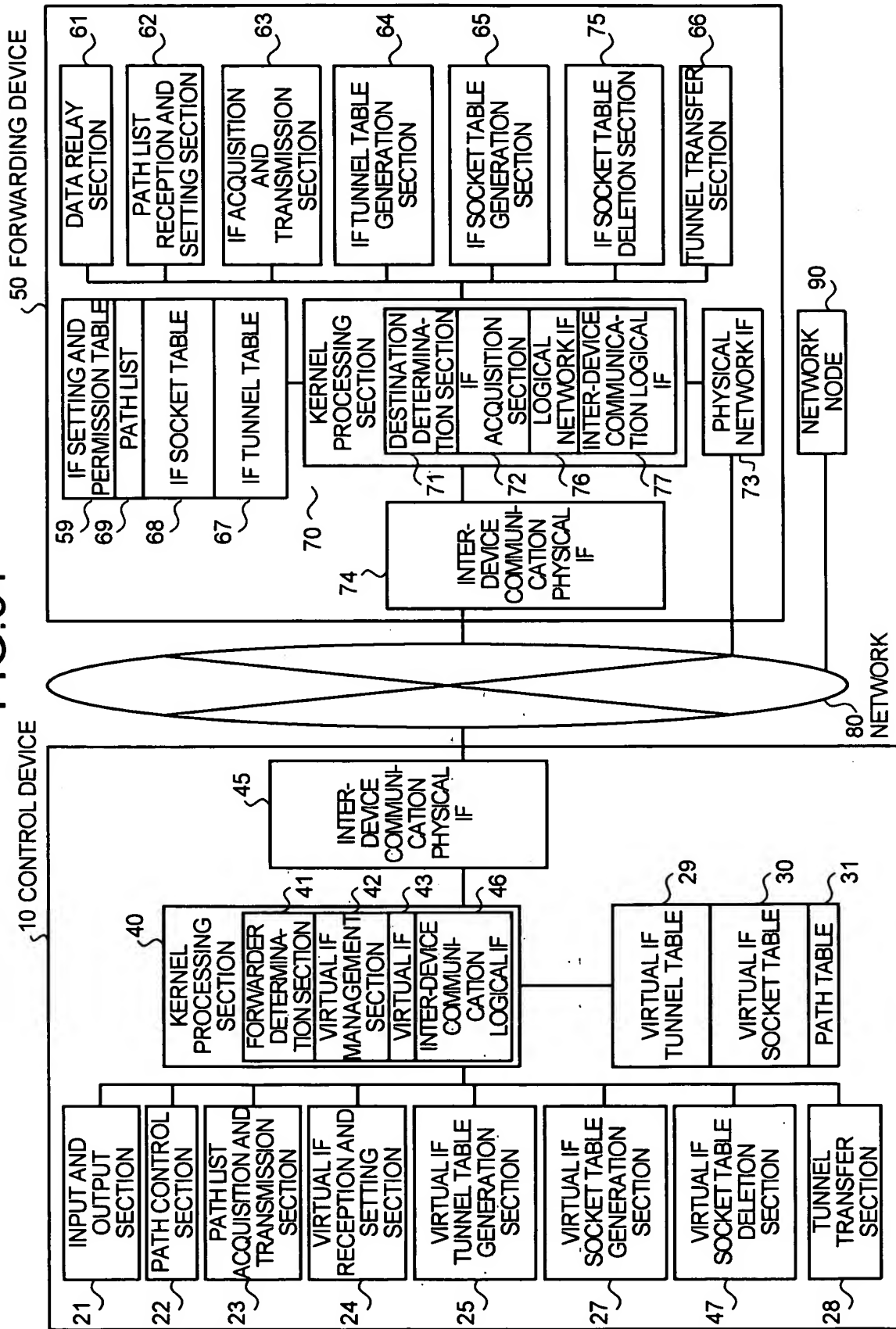


FIG.32

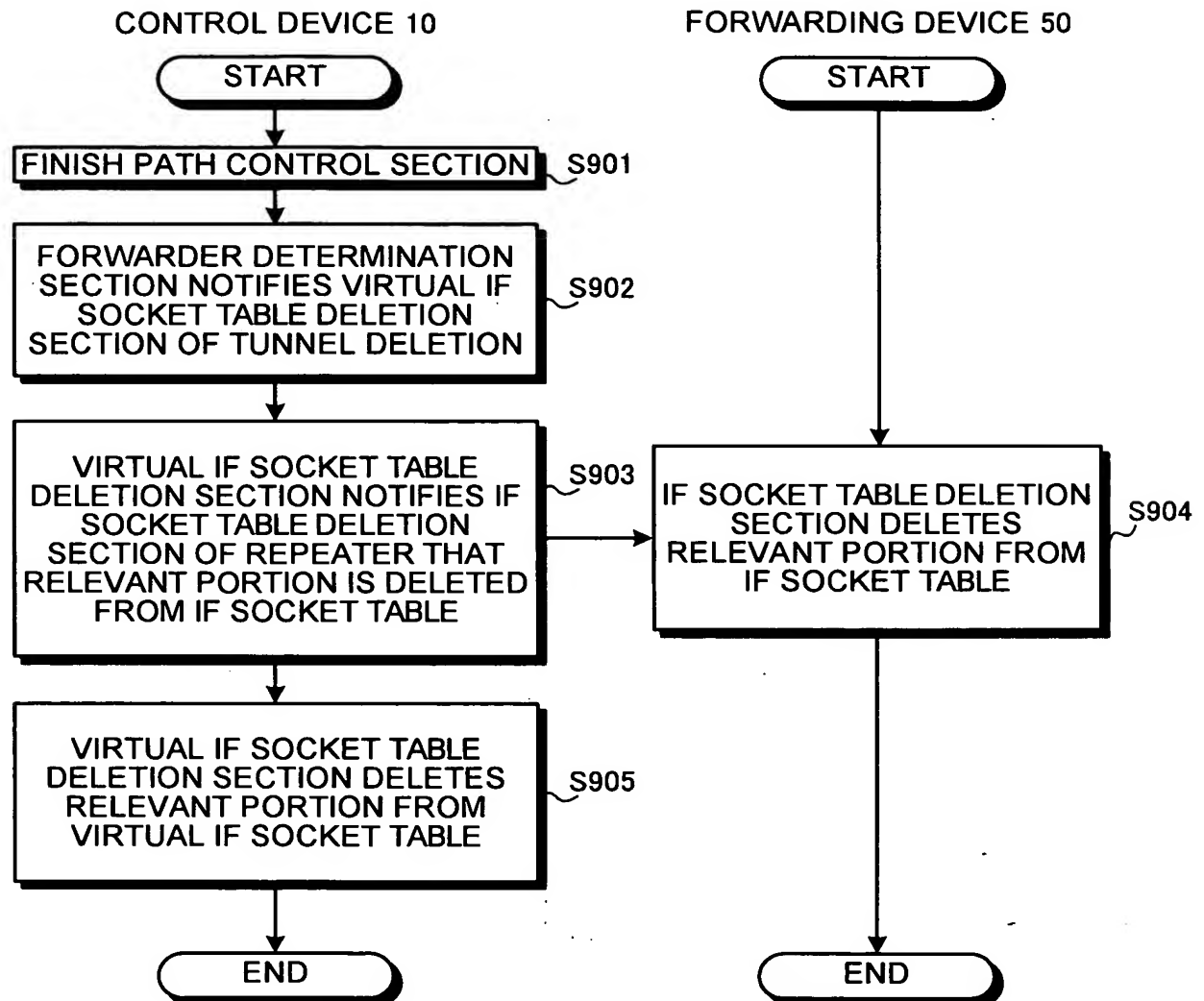


FIG. 33

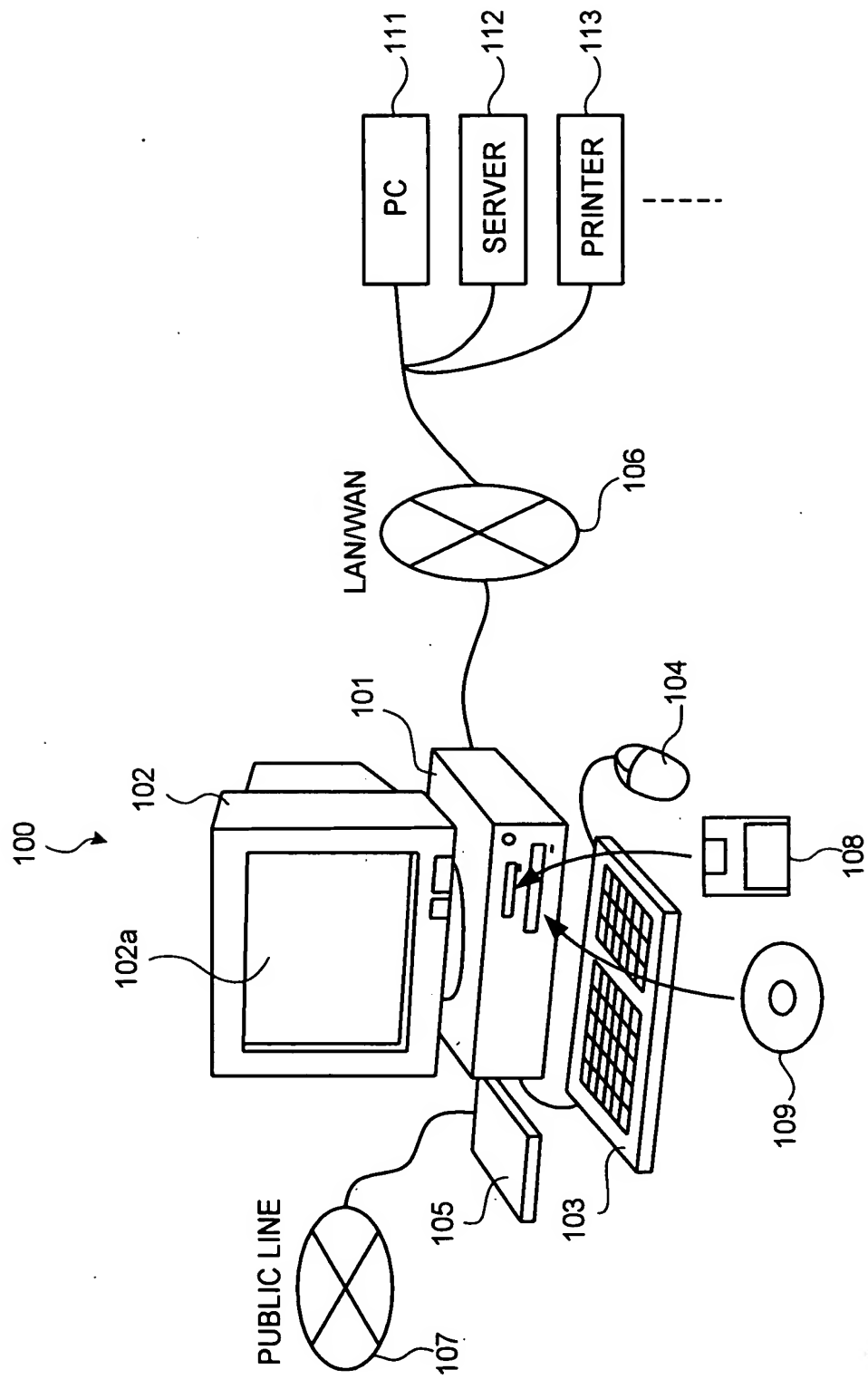


FIG.34

